

10/568,159A Yong Chu 10-03-2007

\$\$^STN;HighlightOn=;HighlightOff=;

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NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 JUL 02 LMECLINE coverage updated  
NEWS 3 JUL 02 SCISEARCH enhanced with complete author names  
NEWS 4 JUL 02 CHEMCATS accession numbers revised  
NEWS 5 JUL 02 CA/CAPLUS enhanced with utility model patents from China  
NEWS 6 JUL 16 CAPLUS enhanced with French and German abstracts  
NEWS 7 JUL 18 CA/CAPLUS patent coverage enhanced  
NEWS 8 JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification  
NEWS 9 JUL 30 USGENE now available on STN  
NEWS 10 AUG 06 CAS REGISTRY enhanced with new experimental property tags  
NEWS 11 AUG 06 BEILSTEIN updated with new compounds  
NEWS 12 AUG 06 FSTA enhanced with new thesaurus edition  
NEWS 13 AUG 13 CA/CAPLUS enhanced with additional kind codes for granted patents  
NEWS 14 AUG 20 CA/CAPLUS enhanced with CAS indexing in pre-1907 records  
NEWS 15 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB  
NEWS 16 AUG 27 USPATOLD now available on STN  
NEWS 17 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data  
NEWS 18 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index  
NEWS 19 SEP 13 FORIS renamed to SOFIS  
NEWS 20 SEP 13 INPADOCDB enhanced with monthly SDI frequency  
NEWS 21 SEP 17 CA/CAPLUS enhanced with printed CA page images from 1967-1998  
NEWS 22 SEP 17 CAPLUS coverage extended to include traditional medicine patents  
NEWS 23 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements  
NEWS 24 OCT 02 CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,  
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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FILE 'HOME' ENTERED AT 14:19:46 ON 02 OCT 2007

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7  
DICTIONARY FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

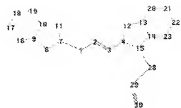
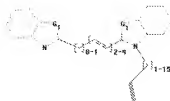
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>  
Uploading C:\Documents and Settings\ychu\Desktop\Case\10568159\10568159A.str



```

chain nodes :
1 2 3 28 29 30
ring nodes :
4 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23
chain bonds :
1-2 1-7 2-3 3-4 15-28 28-29 29-30
ring bonds :
4-12 4-15 7-8 7-11 8-9 9-10 9-16 10-11 10-19 12-13 13-14 13-20 14-15
14-23 16-17 17-18 18-19 20-21 21-22 22-23
exact/norm bonds :
1-2 1-7 2-3 3-4 4-12 4-15 7-8 7-11 8-9 9-10 9-16 10-11 10-19 12-13
13-14 13-20 14-15 14-23 15-28 16-17 17-18 18-19 20-21 21-22 22-23 28-29
29-30

```

G1:C,O,S,N,Se

```

Match level :
1:CLASS 2:CLASS 3:CLASS 4:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom
28:Atom 29:Atom 30:CLASS

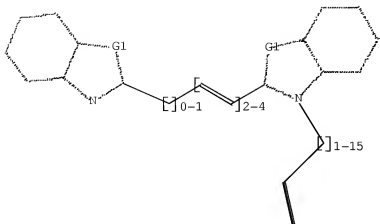
```

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 C, O, S, N, Se

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 14:20:35 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 14 TO ITERATE

100.0% PROCESSED 14 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 56 TO 504

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 14:20:41 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 181 TO ITERATE

100.0% PROCESSED 181 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

173.90

174.11

FILE 'REGISTRY' ENTERED AT 14:23:18 ON 02 OCT 2007

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STRUCTURE FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7  
DICTIONARY FILE UPDATES: 1 OCT 2007 HIGHEST RN 948988-82-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

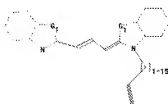
Please note that search-term pricing does apply when  
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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdnoc/properties.html>

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chain nodes :  
1 22 23 24 27 28  
ring nodes :  
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19  
chain bonds :  
1-2 1-27 3-28 11-22 22-23 23-24 27-28  
ring bonds :  
2-8 2-11 3-7 3-4 4-5 5-6 5-12 6-7 6-15 8-9 9-10 9-16 10-11 10-19 12-13  
13-14 14-15 16-17 17-18 18-19  
exact/norm bonds :  
1-2 1-27 2-8 2-11 3-7 3-4 3-28 4-5 5-6 5-12 6-7 6-15 8-9 9-10 9-16  
10-11 10-19 11-22 12-13 13-14 14-15 16-17 17-18 18-19 22-23 23-24 27-28

G1:C,O,S,N,Se

Match level :

1:CLASS 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom  
22:Atom 23:Atom  
24:CLASS 27:CLASS 28:CLASS

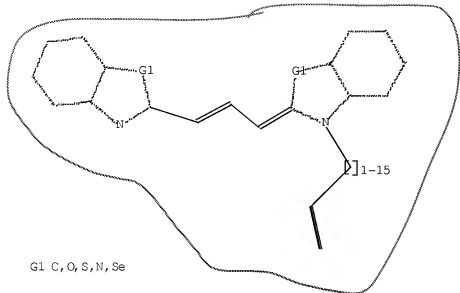
L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR

\*\*clear of prior art\*\*



Structure attributes must be viewed using STN Express query preparation.

=> s l4

SAMPLE SEARCH INITIATED 14:23:55 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 9 TO 360

PROJECTED ANSWERS: 2 TO 124

L5 2 SEA SSS SAM L4

=> s l4 full

FULL SEARCH INITIATED 14:24:03 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 142 TO ITERATE

100.0% PROCESSED 142 ITERATIONS

33 ANSWERS

SEARCH TIME: 00.00.01

L6 33 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

172.55

346.66

FILE 'CAPLUS' ENTERED AT 14:24:15 ON 02 OCT 2007  
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=> s 16

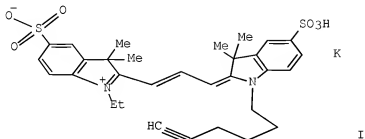
L7 6 L6

=> d ibib abs hitstr tot

L7 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2005:141165 CAPLUS Full-text  
DOCUMENT NUMBER: 142:242215  
TITLE: Cyanine-type compounds having an alkynyl linker arm  
INVENTOR(S): Caputo, Giuseppe  
PATENT ASSIGNEE(S): Italy  
SOURCE: PCT Int. Appl., 40 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014723	A1	20050217	WO 2004-IB51447	20040811
WO 2005014723	A8	20050414		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP 1654327	A1	20060510	EP 2004-744780	20040811

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK  
 US 2006230554 A1 20061019 US 2006-568159 20060213  
 PRIORITY APPLN. INFO.: IT 2003-PZ2 A 20030812  
 WO 2004-IB51447 W 20040811  
 OTHER SOURCE(S): MARPAT 142:242215  
 GI

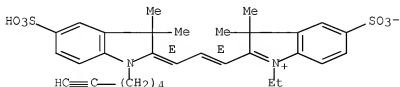


AB The invention relates to cyanine-type fluorescent dyes modified with an alkynyl linker arm such as I are suitable for as markers for biomols., such as for example nucleosides, nucleotides, oligonucleotides, nucleic acids, proteins, peptides, vitamins and hormones. I was manufd. by treating 6-chlorohex-1-yne 22-24 h at 70.degree. with NaI, reaction of the intermediate 12 h with K 3,3,3-trimethylindolenine-5-sulfonate at 120.degree. in sulfolane, and reaction of the 2nd intermediate 90 min at 120.degree. with 2-[(E)-2-[acetyl(phenyl)amino]vinyl]-1-ethyl-3,3-dimethyl- 3H-indolium-5-sulfonate, prep. by reaction of N-ethyl-2,3,3- trimethylindoleninium-5-sulfonate with N,N-diphenylformamide in the presence of acetyl chloride and Ac2O.

IT 644700-38-5P  
 RL: ARG (Analytical reagent use); IMF (Industrial manufacture); ANST (Analytical study); PREP (Preparation); USES (Uses)  
 (cyanine-type fluorescent compds. having alkynyl arms for linking with biomols.)

RN 844700-38-5 CAPLUS  
 CN 3H-Indolium, 1-ethyl-2-[(1E,3E)-3-[1-(5-hexynyl)-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-sulfo-, inner salt, potassium salt (9CI) (CA INDEX NAME)

Double bond geometry as shown.



● K

IT 644700-39-6P 844700-45-4P



RL: ARG (Analytical reagent use); IMF (Industrial manufacture); RCT (Reactant); ANST (Analytical study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

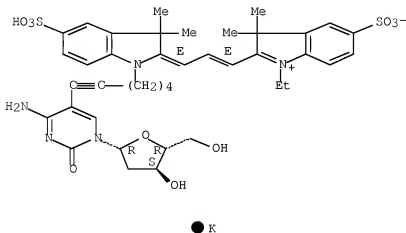
(cyanine-type fluorescent comps. having alkynyl arms for linking with biomols.)

RN 844700-39-6 CAPLUS

CN 3H-Indolium, 2-[(1E,3E)-3-[1-[6-[4-amino-1-(2-deoxy-.beta.-D-erythro-pentofuranosyl)-1,2-dihydro-2-oxo-5-pyrimidinyl]-5-hexynyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-1-ethyl-3,3-dimethyl-5-sulfo-, inner salt, monopotassium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

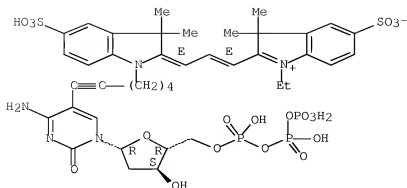


RN 844700-45-4 CAPLUS

CN 3H-Indolium, 2-[(1E,3E)-3-[1-[6-[4-amino-1-[2-deoxy-5-O-[hydroxy[[hydroxy(phosphonooxy)phosphinyl]oxy]phosphinyl]-.beta.-D-erythro-pentofuranosyl]-1,2-dihydro-2-oxo-5-pyrimidinyl]-5-hexynyl]-1,3-dihydro-3,3-dimethyl-5-sulfo-2H-indol-2-ylidene]-1-propenyl]-1-ethyl-3,3-dimethyl-5-sulfo-, inner salt, monopotassium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry as shown.

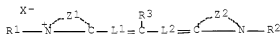


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on SIN  
 ACCESSION NUMBER: 2002:606646 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 137:177092  
 TITLE: Photopolymerizable composition containing organic borate photopolymerization initiator for image recording material  
 INVENTOR(S): Takashima, Masanobu; Fukushima, Yuichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 47 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002229194	A	20020814	JP 2001-25581	20010201
US 2002182530	A1	20021205	US 2002-60153	20020201
US 6824953	B2	20041130		

PRIORITY APPLN. INFO.: JP 2001-25581 A 20010201  
 GI



AB The photopolymerizable compn. comprises a compd. I (R1,2 = aliph., arom.; R3 = substituent; L1,2 = methine; Z1,2 = 5-membered N-contg. heterocyclyl; and X- = anion) having an ethylenic unsatd. bond and a radical generating agent forming a radical upon reaction with the compd. The radical generating agent is an org. borate R11R12R13R14B- G+ (R11-14 = aliph., arom., heterocyclyl, etc.; and G+ = cation). The image recording material comprises a color-forming

component (A) encapsulated in a microcapsule and a color-forming component (B) made from the compd. The photopolymerizable compn. provided high sensitivity not only to UV light but also to light ranging from visible light to IR light.

IT 446306-14-5 446306-17-8

RL: TEM (Technical or engineered material use); USES (Uses)  
(photopolymerizable compn. contg. org. borate photopolymn. initiator for image recording material)

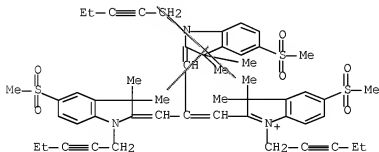
RN 446306-14-5 CAPLUS

CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-2H-indol-2-ylidene]-2-[[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-2H-indol-2-ylidene]methyl]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-1-(2-pentynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 446306-13-4

CMF C52 H60 N3 O6 S3



CM 2

CRN 37181-39-8

CMF C F3 O3 S



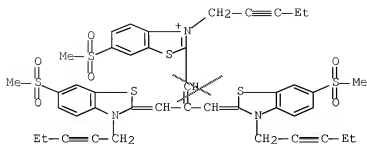
RN 446306-17-8 CAPLUS

CN Benzothiazolium, 6-(methylsulfonyl)-2-[3-[6-(methylsulfonyl)-3-(2-pentynyl)-2(3H)-benzothiazolylidene]-2-[[6-(methylsulfonyl)-3-(2-pentynyl)-2(3H)-benzothiazolylidene]methyl]-1-propenyl]-3-(2-pentynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 446306-16-7

CMF C43 H42 N3 O6 S6



CM 2

CRN 37181-39-8

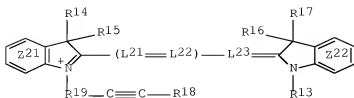
CMF C F3 O3 S



L7 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2007 ACS on SIN  
 ACCESSION NUMBER: 2001:602556 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 135:187732  
 TITLE: Cyanine-type organic colorant, photopolymerizable composition, and recording material  
 INVENTOR(S): Takashima, Masanobu; Fukushima, Yuichi  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 45 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

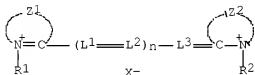
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001226417	A	20010821	JP 2000-34935	20000214
US 2002051926	A1	20020502	US 2001-781410	20010213
PRIORITY APPLN. INFO.:			JP 2000-34935	A 20000214
OTHER SOURCE(S):	MARPAT	135:187732		

GI



X-

I



X-

II

AB The colorant is that represented as I [R13-R18 = H, aliph. group, arom. group; R19 = aliph. hydrocarbylene; L21-L23 = (substituted) methine; substituents in L21-L23 may be linked to form unsatd. alicyclic or unsatd. heterocyclic group; benzene ring Z21, Z22 may be condensed with other benzene rings; condensed Z21, Z22 may be substituted; n = 0-3; X- = anion-forming group]. The photopolymerizable compn. contains an ethylenically unsatd. monomer, a methine compd. II [R1 = aliph. group involving C.tplbond.C; R2 = H, aliph. group, arom. group; L1-L3 = (substituted) methine; substituents in L1-L3 may be linked to form unsatd. alicyclic group or unsatd. heterocyclic group; Z1, Z2 = at. group forming 5- or 6-membered N-contg. heterocycle which may be condensed with (substituted) arom. ring; n = 0-3; X- is the same in I]. and an agent generating radical in interaction with II. The thermal photosensitive printing material contains a color former, a color developer, and the photopolymerizable compn. showing good decoloration of the sensitizer II residue as a result of its decompn. by radicals under exposure.

IT 355367-52-1 355367-61-2 355367-63-4

355367-65-6

RL: CAT (Catalyst use); USES (Uses)

(thermal printing material contg. color former, color developer, and a photosensitive compn. assocd. with cyanine sensitizer)

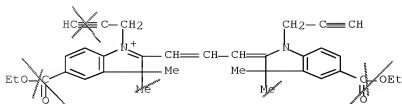
RN 355367-52-1 CAPLUS

CN 3H-Indolium, 5-(ethoxycarbonyl)-2-[3-[5-(ethoxycarbonyl)-1,3-dihydro-3,3-dimethyl-1-(2-propynyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-1-(2-propynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-51-0

CMF C35 H37 N2 O4



CM 2

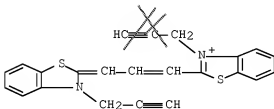
CRN 37181-39-8

CMF C F3 O3 S



RN 355367-61-2 CAPLUS

CN Benzothiazolium, 3-(2-propynyl)-2-[3-[3-(2-propynyl)-2(3H)-benzothiazolylidene]-1-propenyl]-, bromide (9CI) (CA INDEX NAME)



● Br<sup>-</sup>

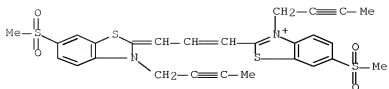
RN 355367-63-4 CAPLUS

CN Benzothiazolium, 3-(2-butynyl)-2-[3-[3-(2-butynyl)-6-(methylsulfonyl)-2(3H)-benzothiazolylidene]-1-propenyl]-6-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-62-3

CMF C27 H25 N2 O4 S4



CM 2

CRN 37181-39-8

CMF C F3 O3 S



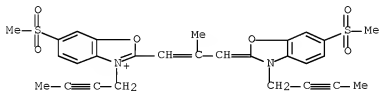
RN 355367-65-6 CAPLUS

CN Benzoxazolium, 3-(2-butynyl)-2-[3-[3-(2-butynyl)-6-(methylsulfonyl)-2(3H)-benzoxazolylidene]-2-methyl-1-propenyl]-6-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 355367-64-5

CMF C28 H27 N2 O6 S2



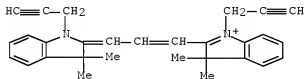
CM 2

CRN 37181-39-8

CMF C F3 O3 S



IT 355367-50-9P 355367-54-3P 355367-56-5P  
 355367-67-8P  
 RL: CAT (Catalyst use); IMF (Industrial manufacture); PREP (Preparation);  
 USES (Uses)  
 (thermal printing material contg. color former, color developer, and a  
 photosensitive compn. assocd. with cyanine sensitizer)  
 RN 355367-50-9 CAPLUS  
 CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-1-(2-propynyl)-2H-indol-2-  
 ylidene]-1-propenyl]-3,3-dimethyl-1-(2-propynyl)-, salt with  
 trifluoromethanesulfonic acid (1:1) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 355367-49-6  
 CMF C29 H29 N2

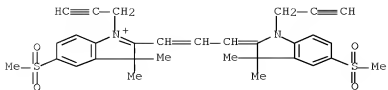


CM 2  
 CRN 37181-39-8  
 CMF C F3 O3 S



RN 355367-54-3 CAPLUS  
 CN 3H-Indolium, 2-[3-[1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-1-(2-  
 propynyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-  
 1-(2-propynyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI) (CA  
 INDEX NAME)  
 CM 1  
 CRN 355367-53-2  
 CMF C31 H33 N2 O4 S2





CM 2

CRN 37181-39-8

CMF C F3 O3 S



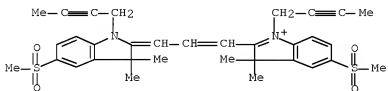
RN 355367-56-5 CAPLUS

CN 3H-Indolium, 1-(2-butynyl)-2-[3-[1-(2-butynyl)-1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI)  
(CA INDEX NAME)

CM 1

CRN 355367-55-4

CMF C33 H37 N2 O4 S2



CM 2

CRN 37181-39-8

CMF C F3 O3 S

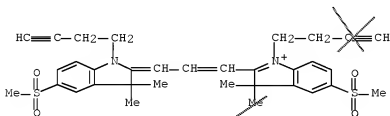


RN 355367-67-8 CAPLUS  
 CN 3H-Indolium, 1-(3-butynyl)-2-[3-[1-(3-butynyl)-1,3-dihydro-3,3-dimethyl-5-(methylsulfonyl)-2H-indol-2-ylidene]-1-propenyl]-3,3-dimethyl-5-(methylsulfonyl)-, salt with trifluoromethanesulfonic acid (1:1) (9CI)  
 (CA INDEX NAME)

CM 1

CRN 355367-66-7

CMF C33 H37 N2 O4 S2



CM 2

CRN 37181-39-8

CMF C F3 O3 S



L7 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1999:426985 CAPLUS Full-text  
 DOCUMENT NUMBER: 131:122862  
 TITLE: Photographic emulsion, material therewith, and aging and sensitization thereof using trimethine dye  
 INVENTOR(S): Minakami, Hiromichi; Kagawa, Nobuaki; Suda, Yoshihiko  
 PATENT ASSIGNEE(S): Konica Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

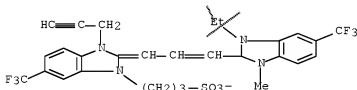
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11184034	A	19990709	JP 1997-355098	19971224
PRIORITY APPLN. INFO.:			JP 1997-355098	19971224
OTHER SOURCE(S):		MARPAT 131:122862		

AB The emulsion and the material contain a benzimidazolocarbo-cyanine dye having hydrocarbyls at 1, 1', 3, and 3' positions where .gtoreq.1 of them is alkynyl (-contg. group) and optional a benzothiazolocarbo-cyanine dye having hydrocarbyls at 9, 3, and 3' positions or a 9-substituted benzoxazolocarbo-cyanine dye having hydrocarbyls at 9, 3, and 3' positions. The material provides low-fog images and shows excellent storage stability.

IT 233272-87-2P  
 RL: MOA (Modifier or additive use); PNU (Preparation, unclassified); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (spectral sensitizer; photog. emulsion contg. novel benzimidazolocarbo-cyanine dye and providing low-fog images)

RN 233272-87-2 CAPLUS

CN 1H-Benzimidazolium, 2-[3-[1,3-dihydro-1-(2-propynyl)-3-(3-sulfopropyl)-5-(trifluoromethyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-1-methyl-5-(trifluoromethyl)-, inner salt (9CI) (CA INDEX NAME)

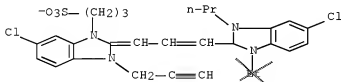


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

IT 233272-86-1  
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses) (spectral sensitizer; photog. emulsion contg. novel benzimidazolocarbo-cyanine dye and providing low-fog images)

RN 233272-86-1 CAPLUS

CN 1H-Benzimidazolium, 5-chloro-2-[3-[5-chloro-1,3-dihydro-1-(2-propynyl)-3-(3-sulfopropyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-1-ethyl-3-propyl-, inner salt (9CI) (CA INDEX NAME)



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

L7 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1998:251383 CAPLUS Full-text

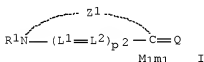
DOCUMENT NUMBER: 129:21407

TITLE: Silver halide emulsions using novel sensitizing dye

INVENTOR(S): Kobayashi, Masaru; Hioki, Takanori  
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.  
 CODEN: JKXXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10104774	A	19980424	JP 1996-259413	19960930
JP 3476315	B2	20031210		

PRIORITY APPLN. INFO.: JP 1996-259413 19960930  
 GI

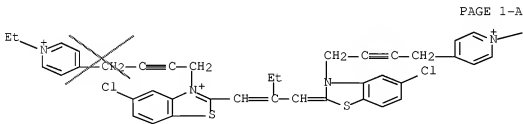


AB Title emulsions contain .gtoreq.1 compd. I [R1 = pyridinium salt-substituted alkyl; Z1 = atoms required to form a 5- or 6-membered N-contg. heterocycle; L1, L2 = methine; p = 0, 1; M1 = counter ion; m1 = 0-10; Q = methine or polymethine required to form a methine dye]. The spectrally sensitized emulsions show high sensitivity and low residual color stain.

IT 207573-72-6  
 RL: DEV (Device component use); USES (Uses)  
 (methine sensitizing dye in silver halide photog. emulsions)

RN 207573-72-6 CAPLUS

CN Benzothiazolium, 5-chloro-2-[2-[[5-chloro-3-[4-(1-ethylpyridinium-4-yl)-2-butynyl]-2(3H)-benzothiazolydene]methyl]-1-butenyl]-3-[4-(1-ethylpyridinium-4-yl)-2-butynyl]-, tribromide (9CI) (CA INDEX NAME)



●3 Br<sup>-</sup>

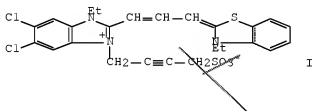
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PAGE 1-B

L7 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 1983:225255 CAPLUS Full-text  
 DOCUMENT NUMBER: 98:225255  
 TITLE: Photographic compositions and elements spectrally sensitized with new methine dyes  
 INVENTOR(S): Yamamoto, Yasushi S.  
 PATENT ASSIGNEE(S): Eastman Kodak Co., USA  
 SOURCE: U.S., 8 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4375508	A	19830301	US 1981-311586	19811015
PRIORITY APPLN. INFO.:			US 1981-311586	19811015
OTHER SOURCE(S):	MARPAT	98:225255		

GI

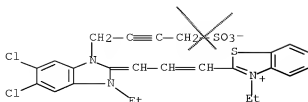


AB Methine dyes for use as photog. spectral sensitizers are described. These dyes prepd. from an intermediate having an acetylenically unsatd. hydrocarbon chain terminated with a nucleophilic group. The acetylenically unsatd. hydrocarbon chain is bonded to a N atom in a heterocyclic ring system of the type used in cyanine dyes. Thus, a photog. support was coated with S-Au sensitized monodispersed gelatin-Ag(Br,I) emulsion (2.5 mol% I) contg. I 8 .times. 10<sup>-4</sup> mol/mol Ag, imagewise exposed, developed in an N-methyl-p-aminophenol/hydroquinone developer, fixed, washed, and dried. The sensitizing max. of the dye I was 600 nm and the sensitizing range 500-630 nm. The speed of the element at 400 nm was 339.

IT 85746-04-9 85746-05-0 85746-06-1  
 RL: TEM (Technical or engineered material use); USES (Uses)  
 (photog. spectral sensitizer)

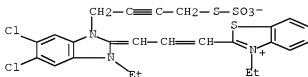
RN 85746-04-9 CAPLUS

CN Benzothiazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-(4-sulfo-2-butynyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
 (CA INDEX NAME)



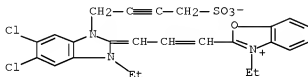
RN 85746-05-0 CAPLUS

CN Benzothiazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-(4-(sulfothio)-2-butynyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
(CA INDEX NAME)



RN 85746-06-1 CAPLUS

CN Benzoxazolium, 2-[3-[5,6-dichloro-1-ethyl-1,3-dihydro-3-(4-sulfo-2-butynyl)-2H-benzimidazol-2-ylidene]-1-propenyl]-3-ethyl-, inner salt (9CI)  
(CA INDEX NAME)



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Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

33.03

379.69

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.68

-4.68

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 14:26:06 ON 02 OCT 2007